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Mauna Loa Solar Observatory Observer's Log  
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Mon Apr 27 16:29:37 GMT 2020

Year: 20 Doy: 118

Observer: berkey

WEATHER COMMENT: berkey: Mon Apr 27 16:31:23 GMT 2020

Temp: 42.9f, Humidity: 9%, Pressure: 28.687in, Wind: 10mph from 179degs, Skies: clear

\_\_\_\_end\_\_\_\_

Mon Apr 27 17:00:18 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Mon Apr 27 17:00:03 GMT 2020

PM Blew off Kcor O1 and opened windows upstairs

\_\_\_\_end\_\_\_\_

Mon Apr 27 17:02:32 GMT 2020 KCOR Start Synoptic Patrol

Mon Apr 27 17:47:15 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY berkey: Mon Apr 27 17:56:35 GMT 2020

PM Blew off Kcor O1

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY berkey: Mon Apr 27 17:56:39 GMT 2020

PM Blew off Kcor Field Lens

\_\_\_\_end\_\_\_\_

Mon Apr 27 17:58:27 GMT 2020 Kcor Focus/alignment program exited

Mon Apr 27 17:59:25 GMT 2020 KCOR Start Synoptic Patrol

Mon Apr 27 18:05:23 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY berkey: Mon Apr 27 18:09:54 GMT 2020

PM Blew off Kcor O1

\_\_\_\_end\_\_\_\_

Mon Apr 27 18:11:11 GMT 2020 KCOR Start Synoptic Patrol

Mon Apr 27 18:45:29 GMT 2020 KCOR End Patrol

Mon Apr 27 18:45:30 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Apr 27 19:00:41 GMT 2020 KCOR End Calibration Script

Mon Apr 27 19:00:57 GMT 2020 KCOR Start Synoptic Patrol

Mon Apr 27 19:00:58 GMT 2020 KCOR Start Synoptic Patrol

GPS COMMENT by MLSO: Mon Apr 27 21:45:07 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

/mnt/usb/dataoutiq\_2020\_114\_2146.bin 2147483647

/mnt/usb/dataoutiq\_2020\_115\_2146.bin 2147483647

/mnt/usb/dataoutiq\_2020\_116\_2146.bin 2147483647

/mnt/usb/dataoutiq\_2020\_117\_2146.bin 2147483647

/mnt/usb/dataoutiq\_2020\_118\_2146.bin 2147483647

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY berkey: Mon Apr 27 23:52:41 GMT 2020

Big gust of wind came thru.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY berkey: Tue Apr 28 00:15:26 GMT 2020

Adjusting the shutters to reduce wind buffeting on the spar

\_\_\_\_end\_\_\_\_

Tue Apr 28 01:04:29 GMT 2020 SGS Alignment complete

Tue Apr 28 01:04:30 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Tue Apr 28 02:35:31 GMT 2020

Inspected the O1 to try to understand the wired patterns we are seeing in the data. I found what looked like an eye lash in the middle of the lens. I was able to blow it off and it seemed to travel to the SE side of the lens and got lost. I tried blowing out the sides of the O1 it out in both the morning and afternoon spar positions hope to free the hair to remove it. However I was unable to see the hair again.

I think this same hair could have been the source of the weird pattern we saw on Friday as well. If that is the case hopefully the hair is now good and stuck in whatever crevasse it found itself until the next lens cleaning.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY berkey: Tue Apr 28 02:35:49 GMT 2020

Ok morning, but the afternoon was pretty poor due to aerosols.

\_\_\_\_end\_\_\_\_

ONSITE STAFF: berkey